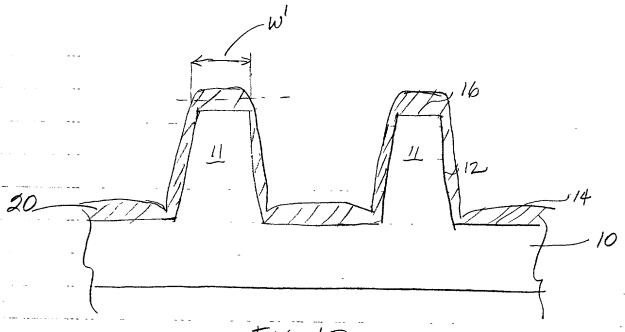


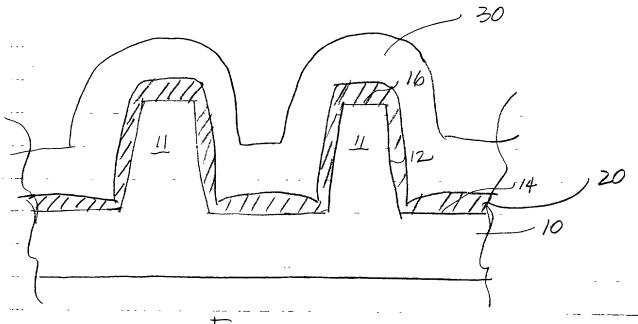
"As-Deposited Planar Optical Waveguides With Low..." Inventors: Demaray, Richard E. et al. Atty. Dkt. No.: M-11522 US; Sheet 2 of 10



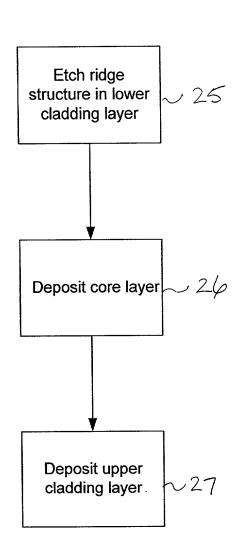
F1G. 1B

DOGDICAL CYASCA

"As-Deposited Planar Optical Waveguides With Low..."
Inventors: Demaray, Richard E. et al.
Atty. Dkt. No.: M-11522 US; Sheet 3 of 10



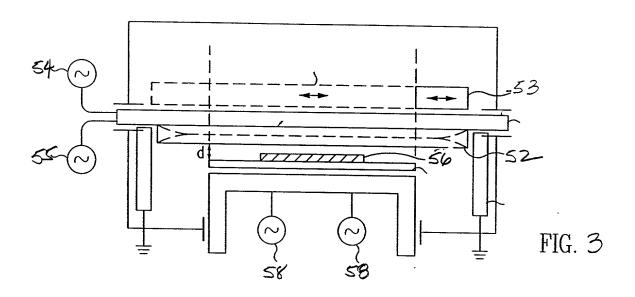
F16.1C

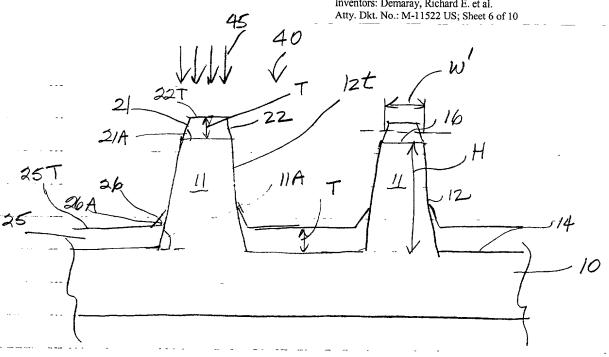


Form oxide layer 72 on Si wafer Pattern oxide hard mask Wet etch Si wafer Strip oxide hard ,75 mask Thermally oxidize Si ridge structure

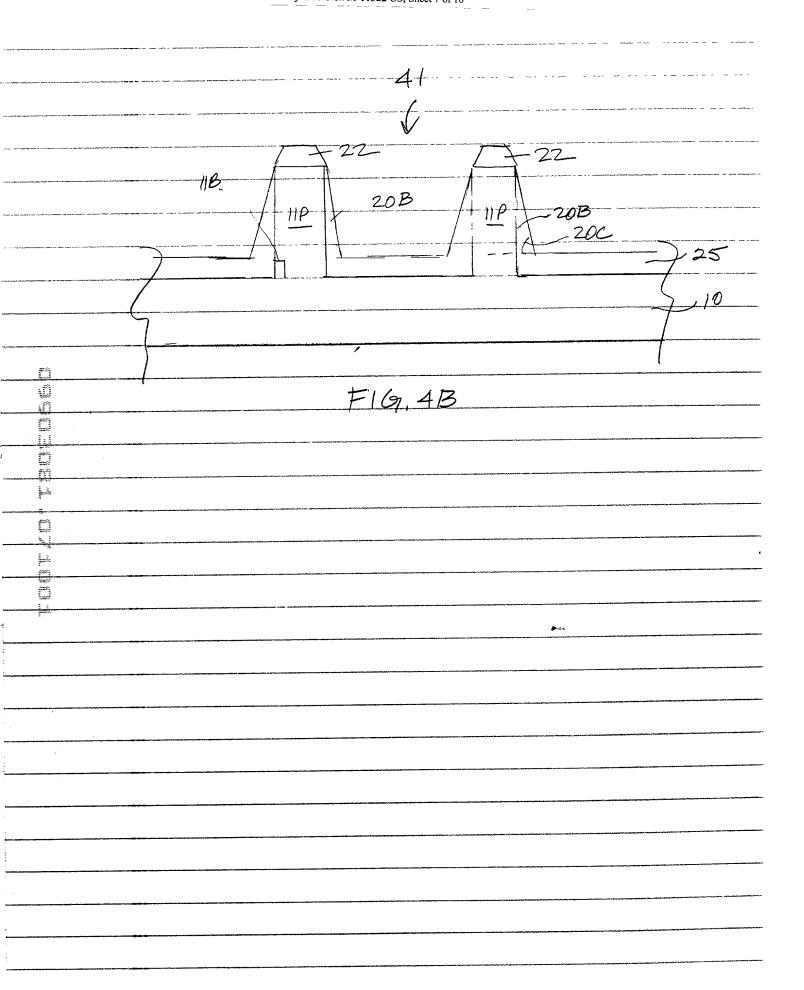
Fig. 2

Fig. 7





F1G. 4A



"As-Deposited Planar Optical Waveguides With Low..."
Inventors: Demaray, Richard E. et al.
Atty. Dkt. No.: M-11522 US; Sheet 8 of 10

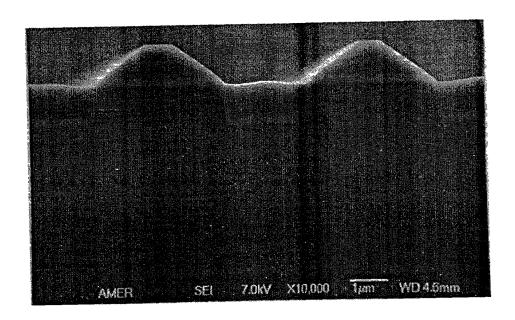
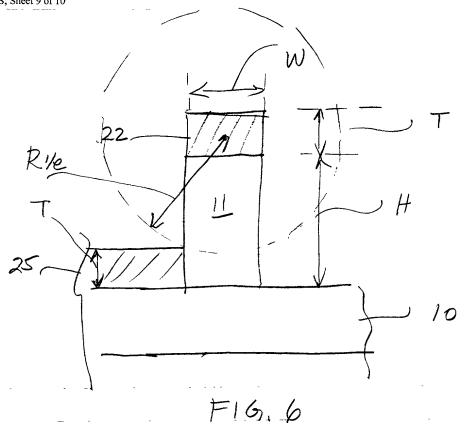


FIG. 5

Sand Sand Sand



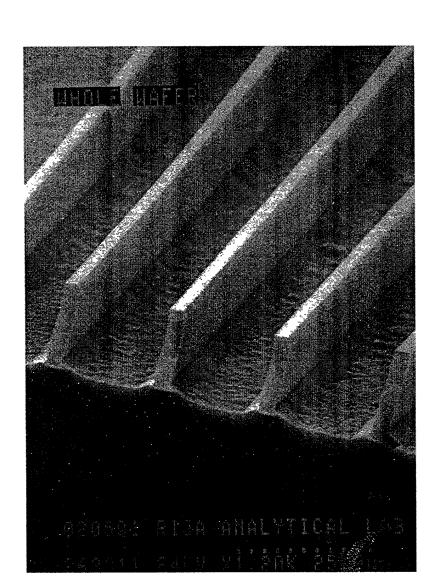


FIG. 8